

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/004552

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61N1/32 A61B5/053

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61N A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 145 176 A2 (WACO CORPORATION OVERSEAS LIMITED; IRF YUGENGAISHA) 19 June 1985 (1985-06-19)	1,2,6,7, 11,12
A	page 2, lines 27-36 page 4, line 19 - page 5, line 8 page 5, line 23 - page 6, line 22 page 10, lines 11-36	3-5,8-10
Y	US 5 339 827 A (MASOPUST ET AL) 23 August 1994 (1994-08-23)	1,2,6,7, 11,12
X	column 2, lines 7-36 column 6, line 37 - column 7, line 19; figures 6A,6B	13-15
A	US 2002/026225 A1 (SEGAL KIM ROBIN) 28 February 2002 (2002-02-28) paragraphs '0026!', '0032!', '0036!; figure 1	1

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

20 June 2005

Date of mailing of the International search report

12.07.2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 541 432 A (MOLINA-NEGRO ET AL) 17 September 1985 (1985-09-17) column 4, line 48 - column 5, line 2; figures 2A,4	1
A	US 4 646 744 A (CAPEL ET AL) 3 March 1987 (1987-03-03) column 5, line 66 - column 6, line 8 column 9, line 26 - column 10, line 55 column 11, lines 40-48	1
X	US 6 301 500 B1 (VAN HERK JOHANNES J ET AL) 9 October 2001 (2001-10-09) column 5, lines 30-41 column 6, lines 15-32 column 8, line 27 - column 9, line 33	13-15
X	KWOK G ET AL: "MAPPING ACUPUNCTURE POINTS USING MULTI CHANNEL DEVICE" AUSTRALASIAN PHYSICAL AND ENGINEERING SCIENCES IN MEDICINE, AUSTRALASIAN COLLEGE OF PHYSICAL SCIENTISTS IN, AU, vol. 21, no. 2, 1998, pages 68-72, XP000911092 ISSN: 0158-9938 page 69, left-hand column, paragraph 4 - right-hand column, paragraph 2 page 70, right-hand column, paragraphs 1,2; figures 3,4 page 71, right-hand column, paragraph 3 - page 72, left-hand column, paragraph 2	13-17
X	US 2002/095080 A1 (CORY PHILIP C ET AL) 18 July 2002 (2002-07-18) paragraphs '0005!, '0006!, '0032!, '0043!, '0053!, '0058!, '0071!, '0086!; figures	13
Y	US 6 662 051 B1 (ERAKER STEPHEN A ET AL) 9 December 2003 (2003-12-09) column 6, line 51, paragraph 67 column 8, lines 5-14,44-47 column 9, lines 26-35 column 10, lines 1-13; figures 1-4	19-21
Y	US 2001/032098 A1 (KULKARNI AVI) 18 October 2001 (2001-10-18) paragraphs '0026! - '0030!	19-21
A	US 2004/082979 A1 (TONG KAI-YU ET AL) 29 April 2004 (2004-04-29) paragraphs '0022!, '0047!, '0056!, '0057!; figure 1	19

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/086535 A (BIOPHORETIC THERAPEUTIC SYSTEMS, LLC) 23 October 2003 (2003-10-23) paragraphs '0006!, '0065! -----	19
P,A	US 2004/204962 A1 (HOWER STEVEN JOSEPH ET AL) 14 October 2004 (2004-10-14) paragraphs '0014!, '0020!, '0022! - '0025! -----	19

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**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 22  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

Treatment device for applying electrical impulses, comprising a detector for detecting changes in the skin impedance, means for monitoring the responsivity of the skin, and indicator means for indicating when a predetermined level of responsivity is reached and when a pre-determined treatment has been administered

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2. claims: 13-18

Treatment apparatus for applying electrical impulses, comprising means for detecting the responsivity of different zones of a predetermined area of the body, means for storing the output data, and means for selecting a treatment zone from amongst the different zones

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3. claims: 19-21

Treatment system, comprising a treatment device for applying electrical impulses, a PC for storing patient records, a cradle for the treatment device, and means for receiving a smart card

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0145176	A2	19-06-1985	JP 3040295 Y2 23-08-1991
			JP 61010741 U 22-01-1986
			JP 60071224 U 20-05-1985
			JP 4032115 Y2 31-07-1992
			JP 60083644 U 10-06-1985
			AT 34923 T 15-06-1988
			AU 564822 B2 27-08-1987
			AU 3464384 A 02-05-1985
			DE 3471886 T 14-07-1988
			DE 3471886 D1 14-07-1988
			HK 7090 A 02-02-1990
			KR 8700641 B1 03-04-1987
			SG 59589 G 29-12-1989
			US 4694840 A 22-09-1987
			ZA 8408206 A 28-08-1985
US 5339827	A	23-08-1994	NONE
US 2002026225	A1	28-02-2002	US 5755752 A 26-05-1998
			AU 1934699 A 26-07-1999
			WO 9934868 A1 15-07-1999
			AU 731329 B2 29-03-2001
			AU 2339997 A 17-10-1997
			BR 9708341 A 11-07-2000
			CA 2250240 A1 02-10-1997
			EP 0900107 A2 10-03-1999
			IL 126190 A 29-05-2003
			JP 2001504713 T 10-04-2001
			US 6033431 A 07-03-2000
			WO 9735635 A2 02-10-1997
			AU 4228593 A 29-11-1993
			WO 9321993 A1 11-11-1993
US 4541432	A	17-09-1985	CA 1215128 A1 09-12-1986
			EP 0111229 A2 20-06-1984
			AT 23803 T 15-12-1986
			DE 3367855 D1 15-01-1987
			ES 8406886 A1 16-11-1984
			PT 77776 A , B 03-01-1984
US 4646744	A	03-03-1987	AU 571723 B2 21-04-1988
			AU 4603185 A 30-01-1987
			BR 8507241 A 27-10-1987
			DK 102887 A 01-05-1987
			EP 0238480 A1 30-09-1987
			FI 870894 A 02-03-1987
			JP 63500073 T 14-01-1988
			NO 870845 A 22-04-1987
			WO 8700063 A1 15-01-1987
US 6301500	B1	09-10-2001	WO 9952588 A1 21-10-1999
US 2002095080	A1	18-07-2002	US 6564079 B1 13-05-2003
			AU 8077601 A 13-02-2002
			CA 2416146 A1 07-02-2002
			EP 1315449 A1 04-06-2003
			JP 2004504877 T 19-02-2004
			WO 0209584 A1 07-02-2002

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/004552

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002095080 A1		ZA 200210239 A	18-12-2003
US 6662051 B1	09-12-2003	NONE	
US 2001032098 A1	18-10-2001	NONE	
US 2004082979 A1	29-04-2004	NONE	
WO 03086535 A	23-10-2003	US 2002161324 A1	31-10-2002
		AU 2003234691 A1	27-10-2003
		BR 0309121 A	01-02-2005
		CA 2481955 A1	23-10-2003
		CZ 20041024 A3	13-04-2005
		EP 1496987 A1	19-01-2005
		SK 3742004 A3	01-04-2005
		WO 03086535 A1	23-10-2003
		US 2003199808 A1	23-10-2003
		US 2004111051 A1	10-06-2004
US 2004204962 A1	14-10-2004	NONE	